

Rabbit SREBP2/SREBF2 Polyclonal Antibody | anti-SREBF2 antibody

Anti-SREBP2/SREBF2 Antibody Picoband

CATALOG #	HOST	REACTIVITY	APPLICATIONS
AAA126164	Rabbit	Human, Mouse, Rat	Western Blot, Immunocytochemistry, Immunofluorescence, Flow Cytometry, Functional Assay, ELISA

PRODUCT SYNONYMS

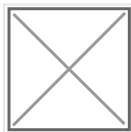
SREBP2/SREBF2; Polyclonal Antibody; Anti-SREBP2/SREBF2 Antibody Picoband; anti-SREBF2 antibody

PRODUCT SPECIFICATIONS

Host	Rabbit
Reactivity	Human, Mouse, Rat
Clonality	Polyclonal
Isotype	Rabbit IgG
Specificity	Natural and recombinant Human CXCL9
Purity/Purification	Immunogen affinity purified.
Form/Format	Lyophilized Each vial contains 4 mg Trehalose, 0.9 mg NaCl, 0.2 mg Na ₂ HPO ₄ .
Concentration	Adding 0.2 ml of distilled water will yield a concentration of 500 ug/ml. (varies by lot)
Applicable Applications for anti-SREBF2 antibody	WB (Western Blot), ICC (Immunocytochemistry), IF (Immunofluorescence), FCM/FACS (Flow Cytometry), ELISA
Assay Type	Sandwich
Samples	Cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA)
Detection Range	31.2 pg/ml - 2,000 pg/ml
Sensitivity	<2 pg/ml
Intra-assay Precision	Intra-Assay Precision (Precision within an assay): Three samples of known concentration were tested on one plate to assess intra-assay precision.
Inter-assay Precision	Inter-Assay Precision (Precision across assays): Three samples of known concentration were tested in separate assays to assess inter-assay precision.
Preparation and Storage	Store at -20 degree C for one year from date of receipt. After reconstitution, at 4 degree C for one month. It can also be aliquotted and stored frozen at -20 degree C for six months. Avoid repeated freezing and thawing.



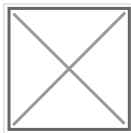
FCM/FACS (Flow Cytometry)
Figure 4. Flow Cytometry analysis of RH35 cells using anti-SREBP2/SREBF2 antibody (AAA126164). Overlay histogram showing RH35 cells stained with AAA126164 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SREBP2/SREBF2 Antibody (AAA126164, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



FCM/FACS (Flow Cytometry)
Figure 3. Flow Cytometry analysis of K562 cells using anti-SREBP2/SREBF2 antibody (AAA126164). Overlay histogram showing K562 cells stained with AAA126164 (Blue line). The cells were blocked with 10% normal goat serum. And then incubated with rabbit anti-SREBP2/SREBF2 Antibody (AAA126164, 1 ug/1x10⁶ cells) for 30 min at 20 degree C. DyLight488 conjugated goat anti-rabbit IgG was used as secondary antibody for 30 minutes at 20 degree C. Isotype control antibody (Green line) was rabbit IgG (1 ug/1x10⁶) used under the same conditions. Unlabelled sample (Red line) was also used as a control.



IF (Immunofluorescence)
Figure 2. IF analysis of SREBP2/SREBF2 using anti-SREBP2/SREBF2 antibody (AAA126164). SREBP2/SREBF2 was detected in an immunocytochemical section of MCF-7 cells. Enzyme antigen retrieval was performed using IHC enzyme antigen retrieval reagent (AR0022) for 15 mins. The cells were blocked with 10% goat serum. And then incubated with 5 ug/mL rabbit anti-SREBP2/SREBF2 Antibody (AAA126164) overnight at 4 degree C. DyLight488 Conjugated Goat Anti-Rabbit IgG was used as secondary antibody at 1:100 dilution and incubated for 30 minutes at 37 degree C. The section was counterstained with DAPI. Visualize using a fluorescence microscope and filter sets appropriate for the label used.



WB (Western Blot)
Figure 1. Western blot analysis of SREBP2/SREBF2 using anti-SREBP2/SREBF2 antibody (AAA126164). Electrophoresis was performed on a 5-20% SDS-PAGE gel at 70V (Stacking gel)/90V (Resolving gel) for 2-3 hours. The sample well of each lane was loaded with 30 ug of sample under reducing conditions. Lane 1: human THP-1 whole cell lysates, Lane 2: human Jurkat whole cell lysates, Lane 3: human Raji whole cell lysates, Lane 4: human HL-60 whole cell lysates, Lane 5: rat stomach tissue lysates, Lane 6: rat testis tissue lysates, Lane 7: mouse stomach tissue lysates, Lane 8: mouse testis tissue lysates. After electrophoresis, proteins were transferred to a nitrocellulose membrane at 150 mA for 50-90 minutes. Blocked the membrane with 5% non-fat milk/TBS for 1.5 hour at RT. The membrane was incubated with rabbit anti-SREBP2/SREBF2 antigen affinity purified polyclonal antibody (#AAA126164) at 0.5 ug/mL overnight at 4 degree C, then washed with TBS-0.1% Tween 3 times with 5 minutes each and probed with a goat anti-rabbit IgG-HRP secondary antibody at a dilution of 1:5000 for 1.5 hour at RT. The signal is developed using an Enhanced Chemiluminescent detection (ECL) kit with Tanon 5200 system. A specific band was detected for SREBP2/SREBF2 at approximately 68 kDa. The expected band size for SREBP2/SREBF2 is at 124 kDa.

ADDITIONAL INFORMATION

Related Product Information for anti-SREBF2 antibody	Background: Chemokine(C-X-C motif) ligand 9(CXCL9) is a small cytokine belonging to the CXC chemokine family that is also known as Monokine induced by gamma interferon(MIG). CXCL9 is a T-cell chemoattractant, which is induced by IFN-gamma. It is closely related to two other CXC chemokines called CXCL10 and CXCL11, whose genes are located near the gene for CXCL9 on human chromosome 4.1, 2 CXCL9, CXCL10 and CXCL11 all elicit their chemotactic functions by interacting with the chemokine receptor CXCR3.3 The standard product used in this kit is recombinant human CXCL9, consisting of 103 amino acids with the molecular mass of 11.7kDa. Principle of the Assay: The Quick Picokine™ Human CXCL9 Pre-Coated ELISA (Enzyme-Linked Immunosorbent Assay) kit is a solid phase immunoassay specially designed to measure Human CXCL9 in cell culture supernatants, cell lysates, serum and plasma (heparin, EDTA). It uses our proprietary Quick ELISA technology. Quick ELISA technology employs capture antibodies conjugated to an affinity tag that is recognized by the polyclonal antibody used to coat our Quick ELISA plates. This approach to sandwich ELISA allows the formation of the antibody-analyte sandwich complex in a single step, significantly reducing assay time. The kit contains recombinant Human CXCL9 with immunogen: Expression system for standard: E.coli; Immunogen sequence: T23-T125. To measure Human CXCL9, add standards and samples to the wells, then add antibody cocktail. Wash the wells with PBS or TBS buffer, and add TMB. TMB is an HRP substrate and will be catalyzed to produce a blue color product, which changes into yellow after adding the acidic stop solution. The absorbance of the yellow product is linearly proportional to Human CXCL9 in the sample. Read the absorbance of the yellow product in each well using a plate reader, and benchmark the sample wells' readings against the standard curve to determine the concentration of Human CXCL9 in the sample.
Product Categories/Family for anti-SREBF2 antibody	Primary Antibodies, Rabbit Polyclonal Antibodies

NCBI AND UNIPROT INFORMATION

NCBI GI #	451330
NCBI GeneID	6721
UniProt Accession #	Q12772; Q05BD5; Q6GTH7; Q86V36; Q9UH04
Molecular Weight	123,688 Da
NCBI Official Full Name	sterol regulatory element binding protein-2
NCBI Official Synonym Full Names	sterol regulatory element binding transcription factor 2
NCBI Official Symbol	SREBF2
NCBI Official Synonym Symbols	SREBP2; bHLHd2; SREBP-2
NCBI Protein Information	sterol regulatory element-binding protein 2; class D basic helix-loop-helix protein 2; sterol regulatory element-binding transcription factor 2
UniProt Protein Name	Sterol regulatory element-binding protein 2
UniProt Gene Name	SREBF2
UniProt Synonym Gene Names	BHLHD2; SREBP2; SREBP-2; bHLHd2
UniProt Entry Name	SRBP2_HUMAN

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.

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Online datasheet: <https://stage.aaabiotech.com/polyclonal/srebp2-srebf2-antibody-western-blot-immunocytochemistry-immunofluorescence-flow-cytometry-elisa/126164>